

**Amendments to the Specification**

Please replace the paragraph bridging page 19 and page 20 with the following amended paragraph :

The propagator terms  $P_{11}$ ,  $P_{22}$  and  $P_{33}$  have the greatest amplitudes and, especially, for waves with near-vertical incidence, the off-diagonal terms  $P_{13}$  and  $P_{31}$  of the propagator are insignificant as compared to  $P_{11}$ ,  $P_{22}$  and  $P_{33}$  which are mainly used to constrain the P and S waves velocities. Then, approximations are possible to obtain  $P_{11}$  and  $P_{33}$ .  $P_{11}$  can be approximated using only the horizontal components  $v_x$ , both at the surface and at depth.  $P_{33}$  can be approximated using only the vertical components. As a result, a group of receivers comprising only one single-component surface geophone and only one single-component buried geophone placed right ~~above~~below the surface geophone may be used for the implementation of the invention. The phase information is not changed by the approximations made. However, the amplitude information is distorted to some extent.